

Notice of Allowability

Application No.

10/695,894

Applicant(s)

CACI, J. CLAUDE

Examiner

James D. Ewart

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment dated 01 December, 2005.
2. ☒ The allowed claim(s) is/are 18-20 renumbered 1-3 consecutively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Allowable Subject Matter

1. Claims 18-20 are allowed.

Referring to claim 18, the references cited do not teach a wireless radio communications system that includes at least one communications tower and a mobile unit, the system comprising: a mobile unit configured to emit signals representing a plurality of three-digit codes, a first one of the plurality indicating a request for emergency services and a second one of the plurality indicating a request for location-based non-emergency commercial services; a communications tower receiver associated with a communications tower, the communications tower receiver configured to receive the signals and decode the plurality of three-digit codes, including both the first one indicating a request for emergency services and the second one indicating a request for location-based non-emergency commercial services, the communications tower receiver further configured to perform a location measurement responsive to receipt of any one of the first and second codes, the location measurement including issuing a wireless chirp-on-demand command to the mobile unit, the wireless chirp-on-demand command instructing the mobile unit to transmit a chirp signal; a location receiver operatively connected to the at least one communication tower configured to receive the chirp signal from the mobile unit and determine a location calculation of the mobile unit, the system taking different action with said determined location calculation depending on which one of the first and second codes was transmitted from the mobile unit.

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Referring to claim 19, the references cited do not teach a wireless radio communications system that includes at least one communications tower and a mobile unit, the system comprising: a mobile unit configured to emit signals representing a plurality of codes, a first one of the plurality indicating a request for emergency services and a second one of the plurality indicating a request for location-based non-emergency commercial services; a communications tower receiver associated with a communications tower, the communications tower receiver configured to receive the signals and decode the plurality of codes, including both the first one indicating a request for emergency services and the second one indicating a request for location-based non-emergency commercial services, the communications tower receiver further configured to perform a location measurement responsive to receipt of one of the first and second codes, the location measurement including issuing a wireless chirp-on-demand command to the mobile unit, the wireless chirp-on-demand command instructing the mobile unit to transmit a chirp signal comprising a pattern of frequency, amplitude, and timing; a location receiver operatively connected to the at least one communication tower configured to receive the chirp signal from the mobile unit and decode the signal according to its pattern of frequency, amplitude, and timing for determining a location calculation of the mobile unit.

Referring to claim 20, the references cited do not teach a method comprising the steps of: receiving at a single communications tower a wireless signal from a cellular telephone, the signal representing a dialed three-digit code; decoding at the communications tower the three-digit code; determining at the single communications tower that the decoded three-digit code represents a request for location-based non-emergency services; in response to said receiving,

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sending to the cellular telephone a chirp-on-demand signal causing the cellular telephone to emit a chirp signal; receiving the emitted chirp signal at the single communications tower from the cellular telephone; performing an approximate location calculation based solely on signals received wirelessly at the single communications tower; and wirelessly providing location-based non-emergency information services to the cellular telephone based on the approximate location calculation.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James D. Ewart whose telephone number is (571) 272-7864. The examiner can normally be reached on M-F 7am - 4pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Trost can be reached on (571)272-7872. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and (571) 273-8300 for After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-2600.

Ewart

December 19, 2005


WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600